

Looking Toward the Future....

The key to successful ecosystem restoration is learning from all restoration and management actions. Research and education provide opportunities to both gain information and share it.



Through decades of scientific research, we have come to understand much about the Bay-Delta ecosystem and the species that depend upon it. However, we do not understand all of the ecological processes and interactions. Learning from ecosystem restoration activities and sharing knowledge gained is a fundamental part of the CALFED Program.

Education programs are important to develop a broader understanding of natural resource conservation issues at the individual and community level. CALFED's educational efforts are intended to increase public awareness, knowledge and appreciation of natural resources and ecosystem restoration activities, foster active participation in conservation programs, and encourage individuals to wisely use natural resources consistent with CALFED's ecosystem goals

and objectives. Nearly \$1 million has been provided for 19 environmental education projects.

Educational programs provide the opportunity for sharing of existing information, while research and project monitoring help gain new answers to important questions. Learning from research and project monitoring allows resource managers and the public to evaluate and update the problems, objectives and models used to direct restoration actions. All CALFED projects contain a research element. More than \$29 million has been provided for 55 projects specifically intended to research and answer important ecological questions. In the future, through adaptive management, CALFED ecosystem restoration actions will be revised or redesigned to be more effective as new information or research results

become available.

This allows the restoration program to evolve and improve as the ecosystem responds to management actions.



CALFED Bay-Delta Program Ecosystem Restoration Accomplishments to Date

Since its inception in 1996, CALFED has received more than 800 proposals for ecosystem restoration projects at a combined value of more than a \$1 billion.

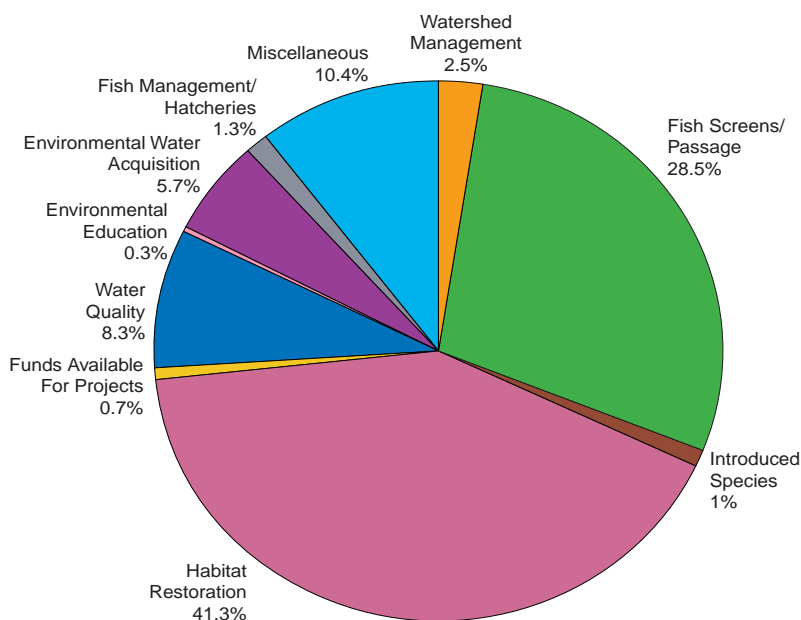
Primary CALFED Funding Sources

Stakeholder Funds	State Funds	Federal Funds
1994-\$32 million	Proposition 204 Safe, Clean, Reliable Water Supply Act 1996 1996-\$60 million Bay-Delta Ecosystem Account \$390 million	California Bay-Delta Environmental Enhancement and Water Security Act 1998-\$85 million 1999-\$75 million Balance of Authorization \$270 million

Funding of CALFED ecosystem restoration projects is a cooperative effort between State and Federal agencies, stakeholders and the public. CALFED has received ecosystem restoration funds from four primary sources, including approximately \$32 million from the California Urban Water Agencies, \$60 million from Proposition 204 State bond funds, \$160 million from the Federal Bay-Delta Act and \$2 million from U.S. Environmental Protection Agency watershed funding. Ecosystem restoration funds are administered through the cooperative efforts of the CALFED agencies.

To date, CALFED has funded 240 projects for a total of approximately \$254 million. Types of projects funded have included fish screens, fish ladders, land acquisition, habitat restoration and focused research and monitoring projects designed to provide information that will improve future restoration efforts.

Ecosystem restoration projects may be selected as directed programs or through a public solicitation process. A directed program results when CALFED directs funds to a specific project activity identified because of its ability to help the program achieve its long-term ecosystem restoration goals. All ecosystem restoration projects are evaluated for their technical merit and go through a multiple step approval process which involves agencies, stakeholders and the public. The CALFED Policy Group makes the final funding recommendations to the California Secretary for Resources and the U.S. Secretary of Interior.



Total Amount: \$254 million
Total Number of Projects: 240

CALFED Bay-Delta Program Ecosystem Restoration 1999 Accomplishments

In 1999, the CALFED Bay-Delta Program began its transition from early ecosystem restoration, as authorized by the Bay-Delta Accord, to long-term implementation of the Ecosystem Restoration Plan (ERP). In 1999, approximately \$85.7 million from State and Federal funding sources was available for ecosystem restoration projects.

In February 1999 thirteen directed programs were recommended for funding by the CALFED Policy Group, and approved by the Secretary of Interior at a total cost of approximately \$52 million. These directed programs included the notable Battle Creek project which will restore 42 miles of historical chinook salmon habitat, construction of the Anderson Cottonwood Irrigation District fish screen on the upper Sacramento River and a major study of the effects of mercury on the ecosystem and how ecosystem restoration can affect mercury levels in the system.

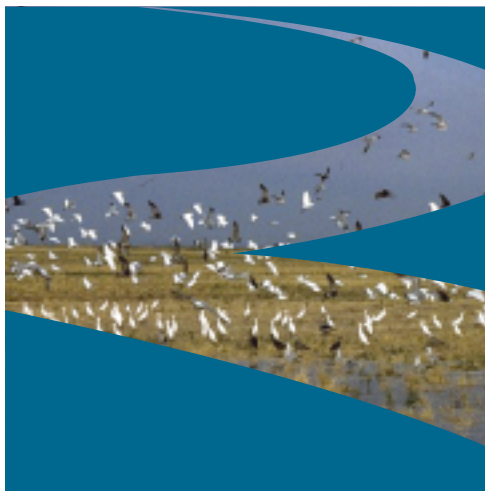
A public solicitation for ecosystem restoration projects was held in 1999. Approximately \$18.7 million was available for solicited projects. Many more proposals were submitted than could be funded. 226 proposals at a total value of approximately \$264 million were submitted. 33 projects were recommended for funding by the CALFED Policy Group, and approved by the Secretary of Interior and Secretary of Resources.

Approximately \$14.5 million was set aside for environmental water acquisitions in 1999. Two purchases were recommended for funding by the CALFED Policy Group, and approved by the Secretary of Interior at a total cost of approximately \$5.5 million. 50,000 acre feet of water was acquired on the Stanislaus River to benefit out-migrating chinook salmon. 43,000 acre feet of water was acquired on the San Joaquin River to facilitate habitat restoration and establishment of riparian vegetation along the San Joaquin River corridor.

Ecosystem Restoration Program September 30, 1999

Fiscal year 2000 is expected to bring the completion of the ERP, as part of the CALFED Programmatic Environmental Impact Statement/ Environmental Impact Report, which is anticipated to be finalized in June 2000. Accordingly, plans are underway to complete the transition from early ecosystem restoration to full implementation of the long-term ERP.

Funding Source & Appropriation	Funds Approved For Projects	Misc. Admin. Contingency	Funds Obligated And/Or Committed	Funds Expended to Date
Federal Bay Delta Act \$160 million	\$142.3 million (123 projects)	\$17.7 million	\$136 million	\$35 million
Prop 204 Category III \$60 million	\$53.5 million (69 projects)	\$4.8 million	\$47.6 million	\$14.9 million
EPA Watershed \$2 million	\$2 million (4 projects)	-0-	\$ 2 million	\$.4 million
CA Urban Water Agencies \$32 million	\$28 million (44 projects)	\$4 million	\$25.5 million	\$14.1 million
TOTAL \$254 million	\$225.8 million (240 projects)	\$26.5 million	\$211.1 million (93.5%)	\$68 million (30%)



For more info:

Contact The CALFED Bay-Delta Program

1416 Ninth Street • Suite 1155 • Sacramento, CA 95814

916-657-2666 • FAX 916-654-9780 • info line 1-800-700-5752 • <http://calfed.ca.gov>

